

AMENDMENTS TO THE CLAIMS

1. (currently amended) A method for implementing complex mapping of Open Grid Services Architecture (OSGA) service data, the method comprising:

defining a set of standard mapping rules for service data descriptions in a service-oriented architecture; and, wherein said set of standard mapping rules are implemented through

——utilizing an OSGA Service Data Mapping Language (OSDML) configured to implement mapping of the OSGA service data to a native resource representation thereof, through extensible language features; and

defining a flexible framework engine for processing rules and mappings defined by said OSMDL.

2. (original) The method of claim 1, wherein said OSDML is an extensible markup language (XML).

3. (original) The method of claim 1, wherein said OSDML defines an extensible set of at least one of: data source mechanisms and resource access mechanisms.

4. (original) The method of claim 1, wherein said OSDML defines parameterization capabilities for supporting dynamic values.

5. (original) The method of claim 1, wherein said OSDML defines executable scripts to process data transformation and queries.

6. (original) The method of claim 1, wherein said OSDML defines a mechanism for defining private mapping for an internal state of a service.

7. (original) The method of claim 1, wherein said OSDML defines a set of

rules for defining and mapping service data change notification subscriptions from a corresponding native resource implementation thereof.

8. (cancelled)

9. (currently amended) The method of claim 8¹, wherein said framework engine includes a uniform interface to services implementation.

10. (currently amended) The method of claim 8¹, wherein said framework engine includes a pluggable provider interface, said pluggable provider interface being configured to support language extensions and new service data providers.

11. (original) The method of claim 10, wherein said framework engine is configured to support at least one of: parameterization, flexible data source binding and pluggable script execution.

12. (original) The method of claim 10, wherein said framework engine further comprises a document repository.

13. (original) The method of claim 10, wherein said framework engine further comprises a generic interface for supporting OSDML instance data retrieval.

14. (original) The method of claim 10, wherein said pluggable provider interface comprises at least one of: a common information object manager (CIMOM) and a database adapter.

15. (currently amended) The method of claim 10, wherein said framework engine is configured to map service data definitions to relational database schema.

16. (currently amended) A system for implementing complex mapping of Open Grid Services Architecture (OSGA) service data, comprising:

~~a service data mapping engine which utilizes a defined~~means for defining
a set of standard mapping rules for service data descriptions in a service-oriented architecture;

—, wherein said set of standard mapping rules are implemented through an OSGA Service Data Mapping Language (OSDML) configured to implement mapping of the OSGA service data to a native resource representation thereof, through extensible language features; and

a flexible framework engine for processing rules and mappings defined by said OSMDL.

17. (original) The system of claim 16, wherein said OSDML is an extensible markup language (XML).

18. (original) The system of claim 16, wherein said OSDML defines an extensible set of at least one of: data source mechanisms and resource access mechanisms.

19. (original) The system of claim 16, wherein said OSDML defines parameterization capabilities for supporting dynamic values.

20. (original) The system of claim 16, wherein said OSDML defines executable scripts to process data transformation and queries.

21. (original) The system of claim 16, wherein said OSDML defines a mechanism for defining private mapping for an internal state of a service.

22. (original) The system of claim 16, wherein said OSDML defines a set of

rules for defining and mapping service data change notification subscriptions from a corresponding native resource implementation thereof.

23. (cancelled)

24. (currently amended) The system of claim ~~23~~16, wherein said framework engine includes a uniform interface to services implementation.

25. (currently amended) The system of claim ~~23~~16, wherein said framework engine includes a pluggable provider interface, said pluggable provider interface being configured to support language extensions and new service data providers.

26. (original) The system of claim 25, wherein said framework engine is configured to support at least one of: parameterization, flexible data source binding and pluggable script execution.

27. (original) The system of claim 25, wherein said framework engine further comprises a document repository.

28. (original) The system of claim 25, wherein said framework engine further comprises a generic interface for supporting OSDML instance data retrieval.

29. (original) The system of claim 25, wherein said pluggable provider interface comprises at least one of: a common information object manager (CIMOM) and a database adapter.

30. (currently amended) The system of claim 25, wherein said framework engine is configured to map service data definitions to relational database schema.